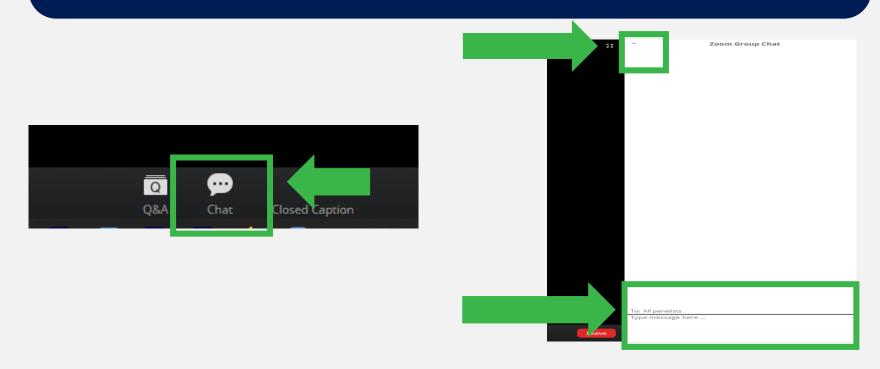


# Virtual Workshop Logistics:

# Tech Support

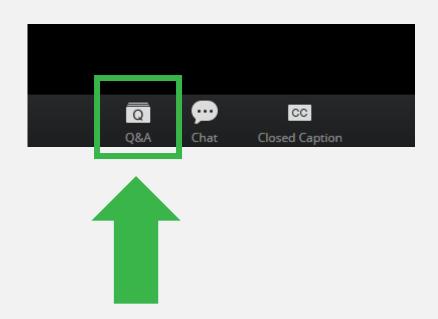
#### **Get Tech Support**

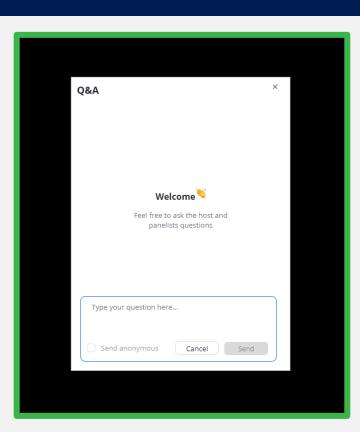
- Open your chat box.
- You can access the chat box by clicking the button at the bottom of your screen. A chat box will appear on the right side of your screen.
- Send a message to all panelists and someone will assist you. Please note that the other participants will NOT be able to see your question making it a private message.



#### **Ask a Question or Submit a Comment**

- Click the Q/A icon at the bottom of your screen to ask presenters questions or submit a comment.
- Presenters may not get to all questions, but they will try their best.
- If the Q&A function does not work, email questions or comments to declimateplan@delaware.gov anytime during the event.





# Virtual Workshop Logistics:

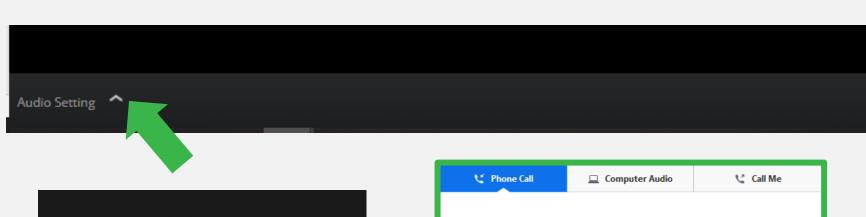
# Questions and Comments

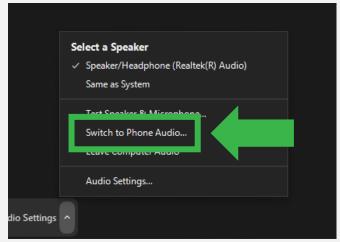
# Virtual Workshop Logistics:

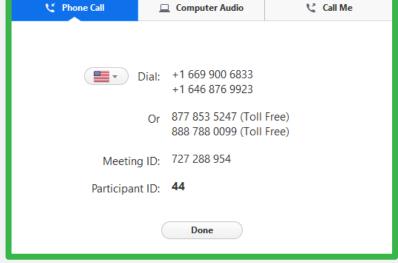
### **Audio**

#### **Make Sure Your Sound Works**

 If you're using speaker audio and it doesn't work, try re-starting Zoom or click the "up" arrow and "Switch to Phone Audio".

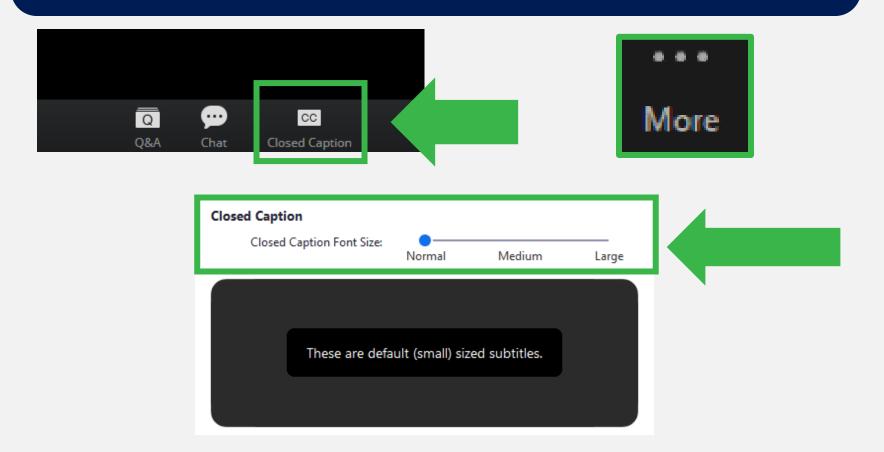






### **Closed Captioning**

- To turn on captions, click the closed captioning icon at the bottom of your screen and select "Show Subtitle".
- To view captions that were typed previously, select "Show Full Transcript", a new pop-up will appear with the transcript.
- To change caption size, click the "Closed Caption" icon again and select "Subtitle Settings". Use the slider to change caption size.



# Virtual Workshop Logistics:

# Closed Captions

## Agenda

5:30 p.m. – 5:40 p.m.

5:40 p.m. - 6 p.m.

6 p.m. – 6:45 p.m.

6:45 – 7 p.m.

7 p.m.

Workshop Introduction

Climate Change Impacts

Actions to Maximize Resilience

Questions and Wrap-up

Workshop Ends

# Workshop Goals

Provide an overview of the Climate Action Plan and its development process.

Communicate how public input has shaped the planning process for the Climate Action Plan.

Provide overview of how actions identified for maximizing resilience were created.

Gather feedback on which actions to maximize resilience participants would like to see the state implement.

## Workshop Facilitators and Presenters



**Dr. Robert Scarborough**Division of Climate, Coastal and Energy
Delaware Coastal Management Program



Ms. Maggie Pletta
Division of Climate, Coastal and Energy
Delaware Coastal Management Program



Mr. Ian Yue
Division of Climate, Coastal and Energy
Climate and Sustainability Section



Ms. Kristen Thornton

Division of Climate, Coastal and Energy
Delaware Coastal Management Program



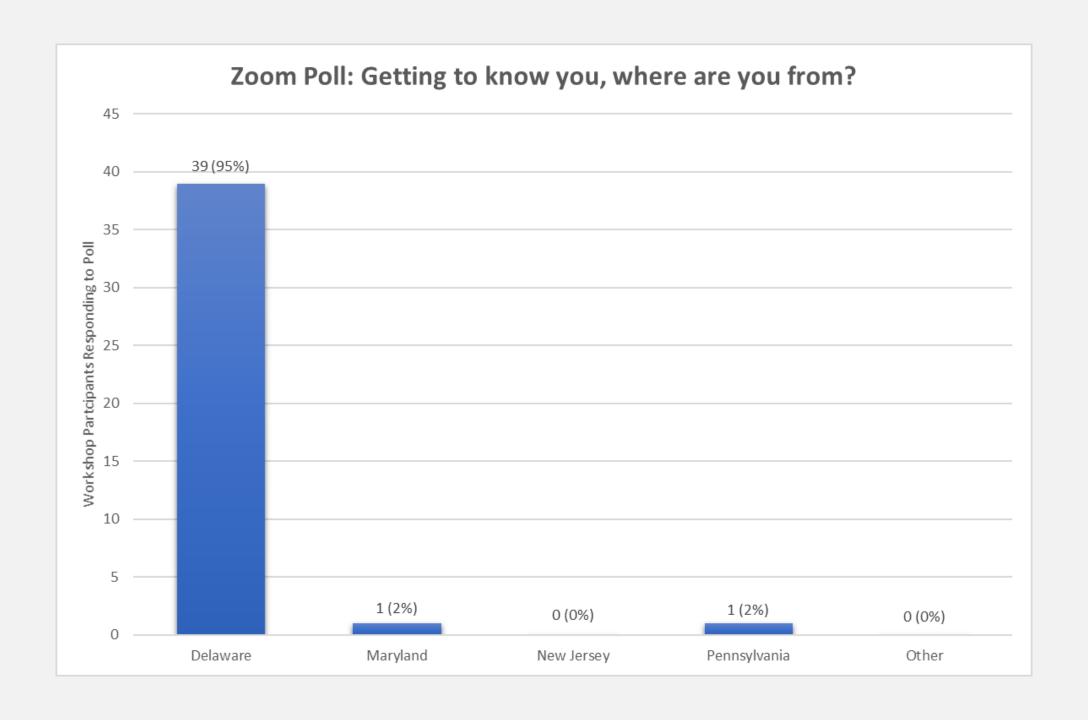
Ms. Nicole Marks
Division of Climate, Coastal and Energy
Delaware Coastal Management Program

# Getting to Know You

### Where are you from?

- 1) Delaware
- 2) Maryland
- 3) New Jersey
- 4) Pennsylvania
- 5) Other



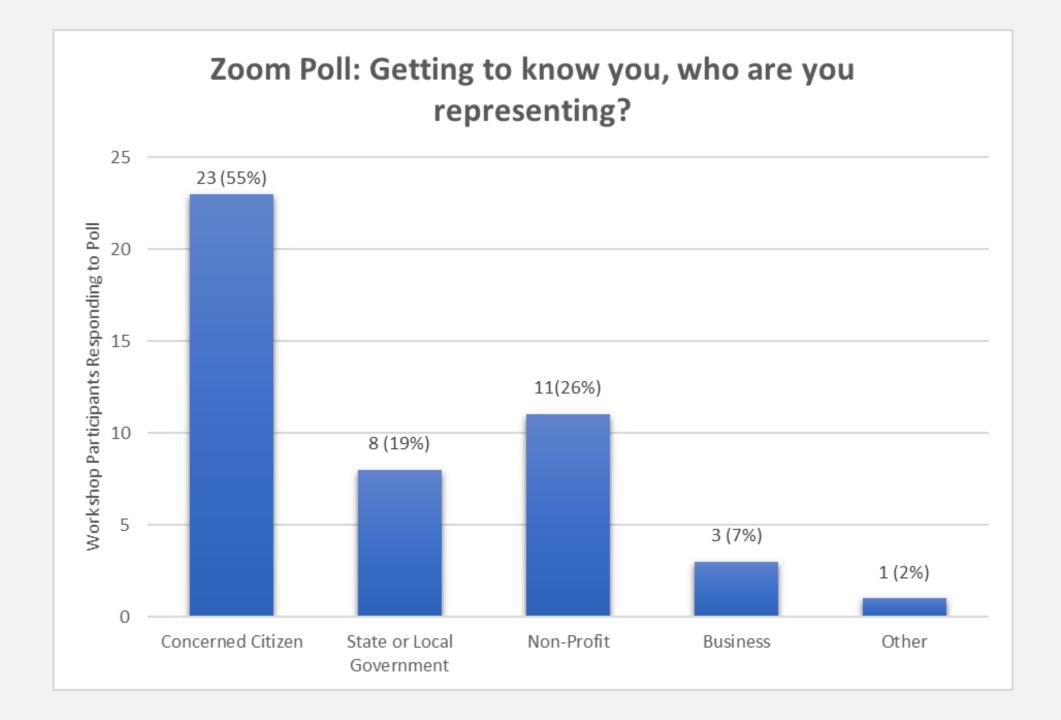


# Getting to Know You

### Organizational Affiliation?

- 1) Concerned Citizen
- 2) State or Local Government
- 3) Non-Profit
- 4) Business
- 5) Other





# Climate Action Plan Overview

- The Plan will include actions to minimize and maximize:
  - Minimize greenhouse gas emissions, major driver of climate change
  - Maximize resilience to climate change impacts (e.g., increased temperatures, sea level rise, more extreme weather)
- Provide information and actions for state leaders to use in decision-making
- Plan Release Date: Winter 2021

# DELAWARE'S Climate Action Plan



- Our agricultural and tourism economies
- The natural places we enjoy for recreation
- Our infrastructure
- The health of our residents and visitors



#### **Built on Past Efforts**

- Statewide Sea Level Rise Planning Initiative
- Executive Order 41
- Literature Reviews

# Developing the Climate Action Plan



#### **Interviewed Experts**

- State Agencies
- Neighboring State Climate Programs
- Universities and Federal Agencies

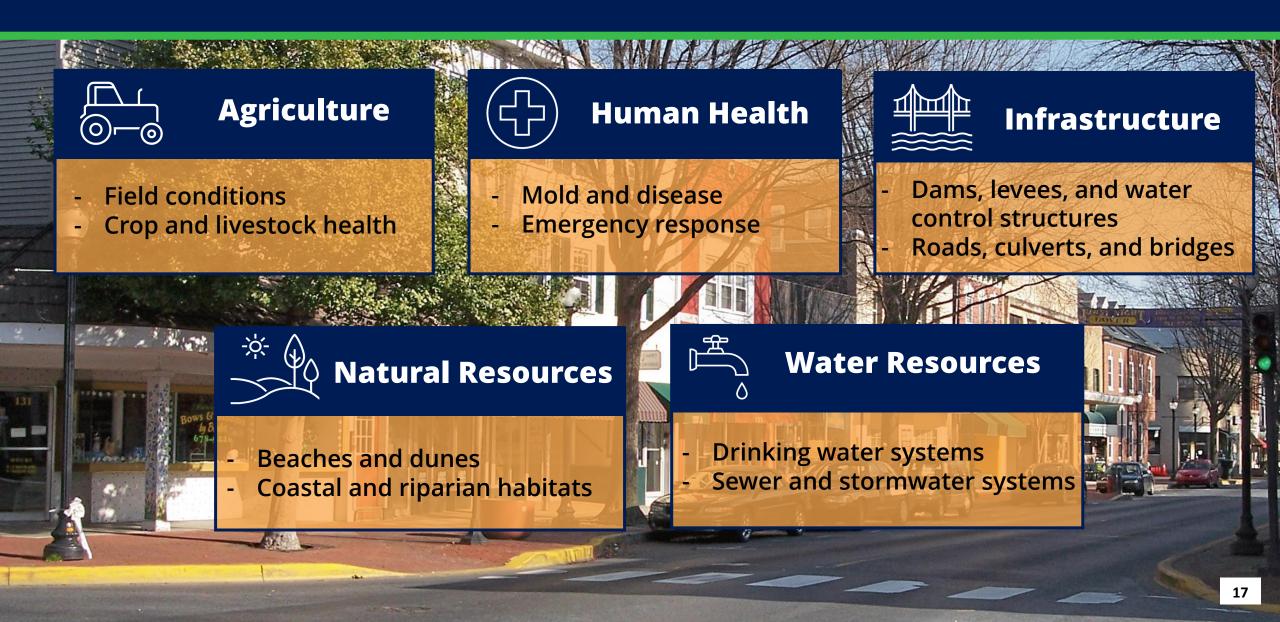


#### **Engaged Stakeholders**

- Public Workshops in March
- Online Survey
- Submission of Comments



## What's at risk from heavy precipitation?



# Agriculture



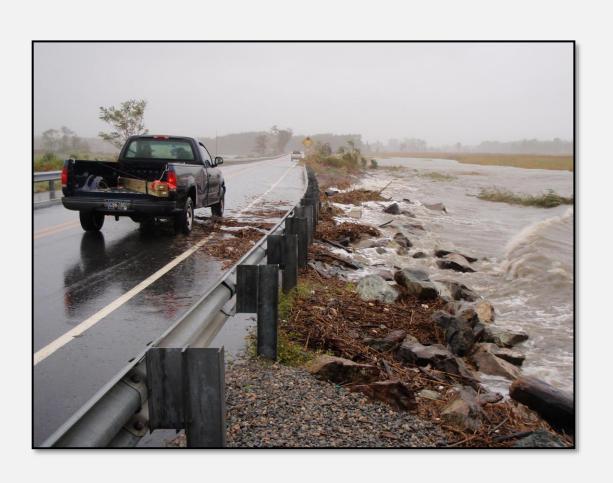
- Contributes \$8 billion annually to our economy
- Field Conditions
  - Flooded fields
  - Loss of nutrients
- Crop and livestock health
  - Crop damage during storms
  - Increased pests

# Human Health

- Mold and Disease
  - Increased mold production
  - Waterborne pathogens
- Emergency response
  - Increased need
  - Access issues



# **Infrastructure**



- Dams, levees, and water control structures
  - Overtopping
  - Damage to structures
- Roads, culverts, and bridges
  - Damage to structure and function



- Beaches and dunes
  - Erosion
- Coastal and riparian habitats
  - Changes in salinity
  - Streambank erosion

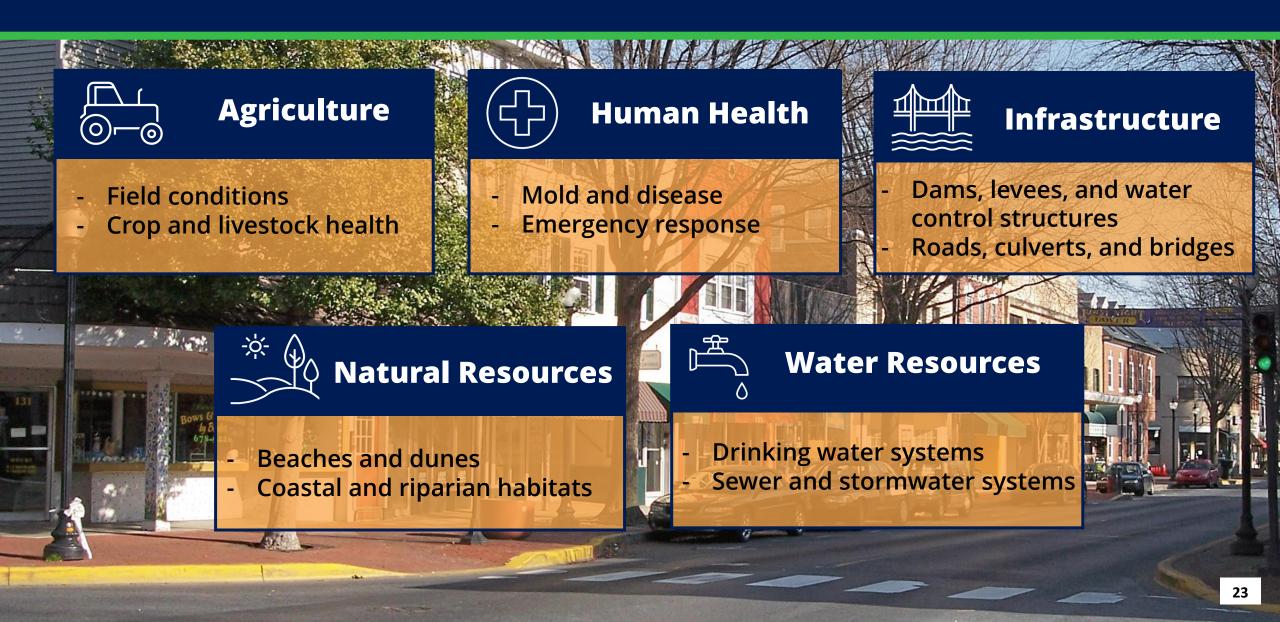


# Water Resources



- Drinking water
  - Increased filtration
- Sewer and stormwater systems
  - Overflow
  - Localized flooding

## What's at risk from heavy precipitation?



## Recommendations

**Management Plans** 

Outreach

Regulation and/or Policy

Facilities and Infrastructure Design and Management

Research and Monitoring

**Administrative Processes** 

Support for Communities and Stakeholders



### **Management Plans**

Update planning documents for natural resources, emergency response, state facilities, and Agency equipment.

Update current natural and agricultural land protection programs.

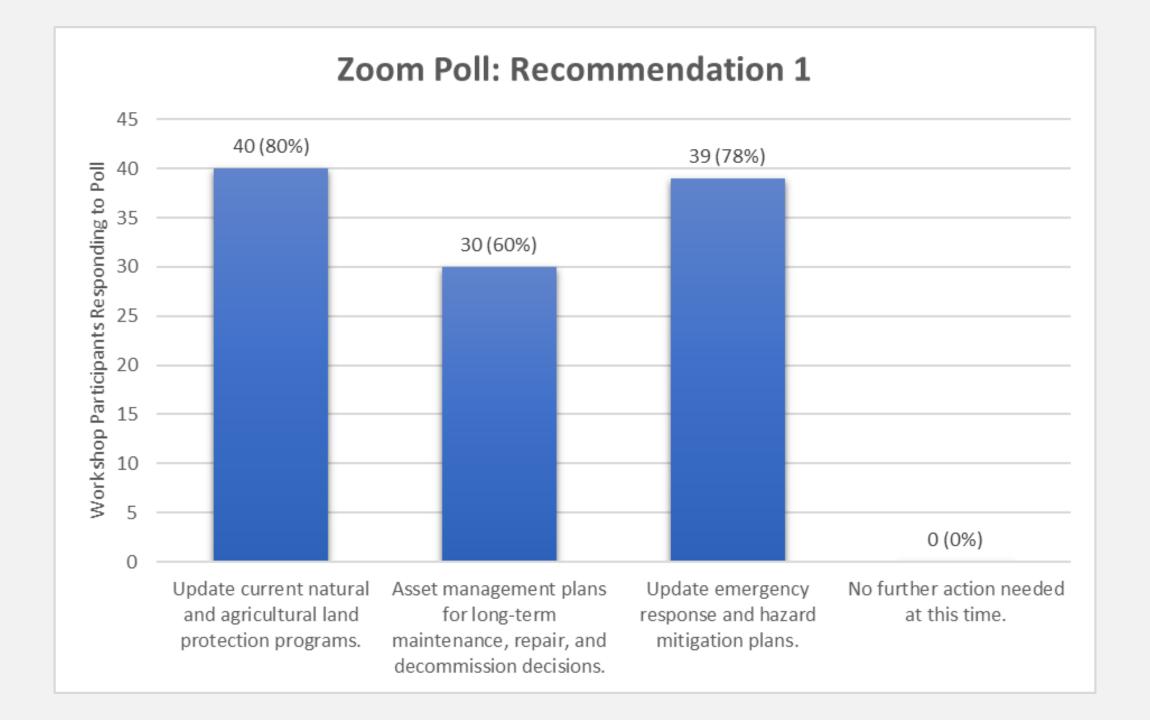
Asset management plans for long-term maintenance, repair, and decommission decisions.

Update emergency response and hazard mitigation plans.

# Zoom Poll



From the list of actions choose all actions you think are most important for the state to implement.

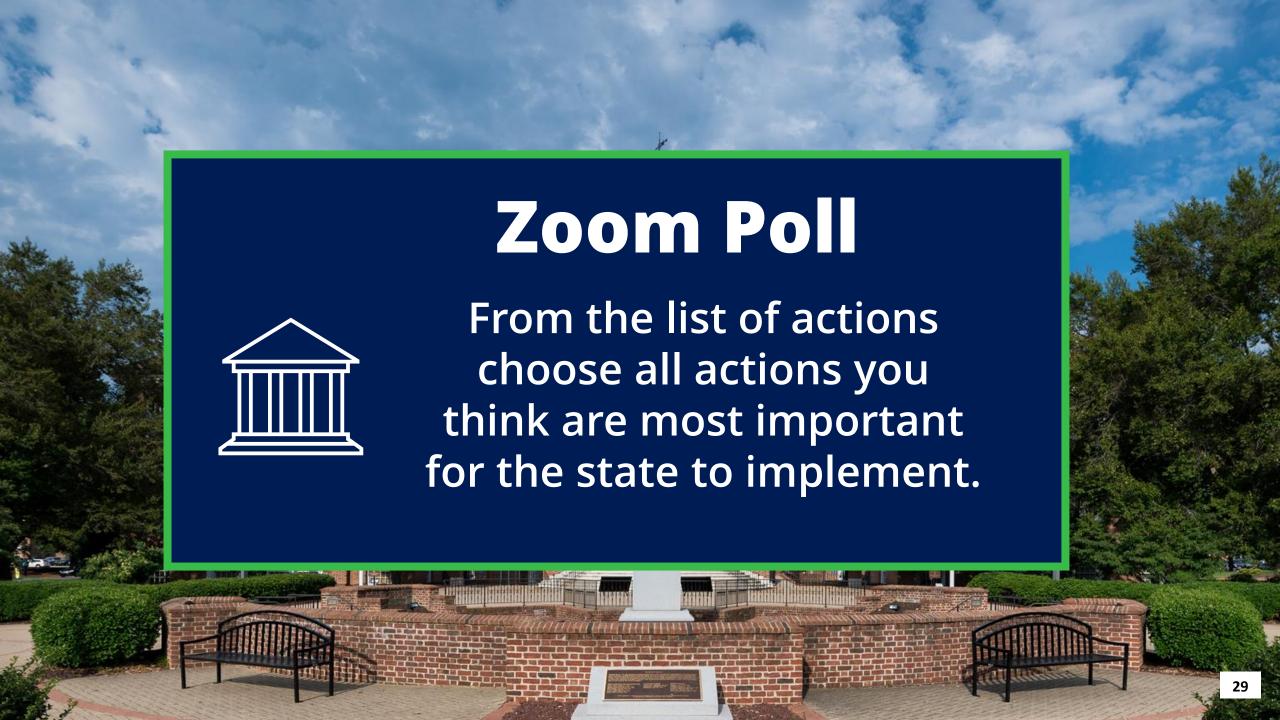


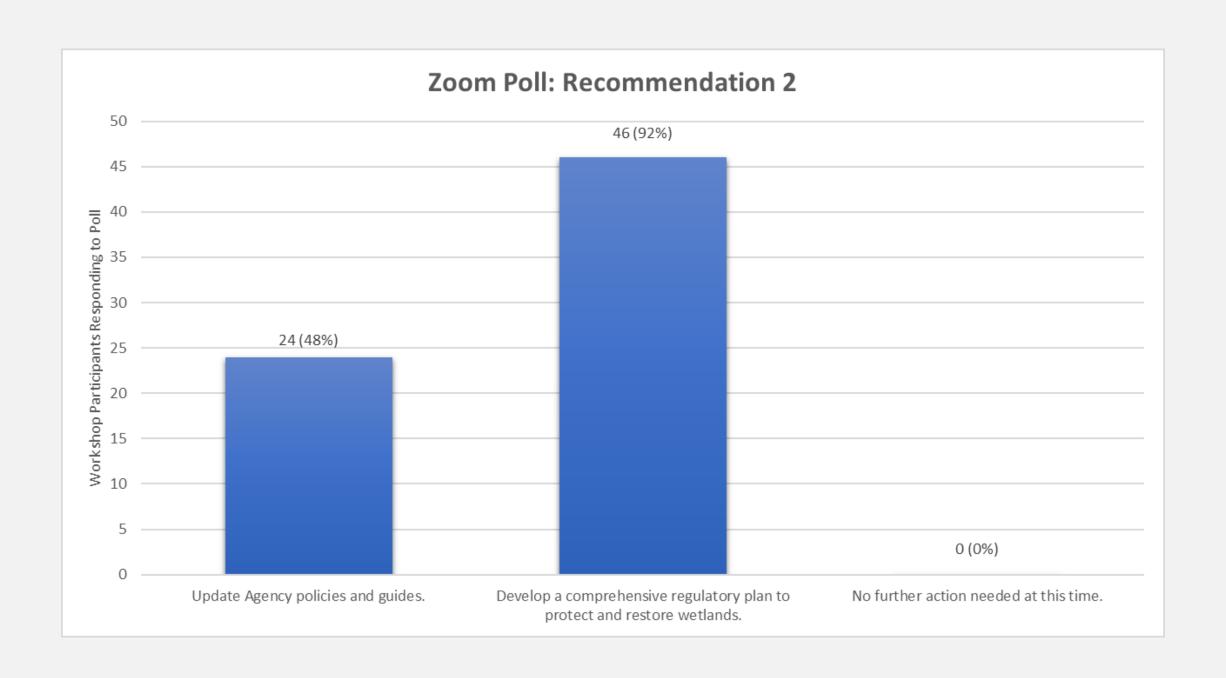


### **Regulations and/or Policy**

Update and/or change current regulations and policies to address protection and conservation of vulnerable and impacted resources.









### **Research and Monitoring**

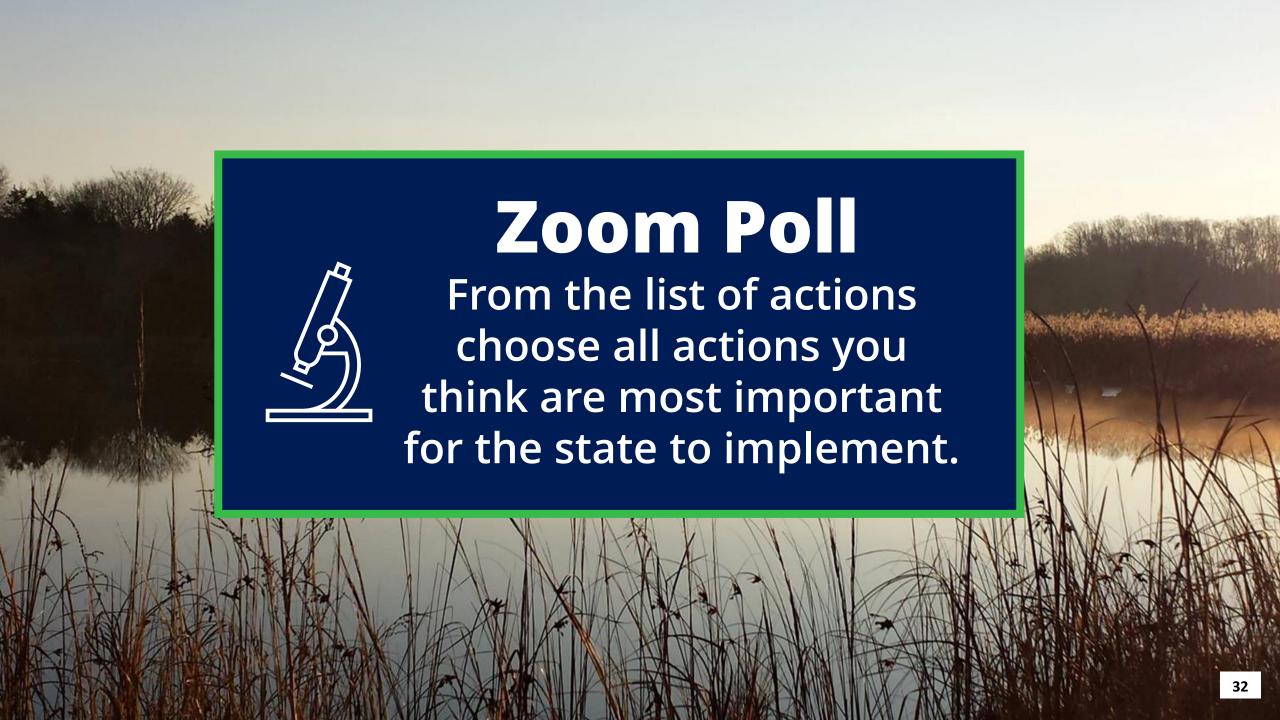
Support monitoring of conditions and research that studies the impacts of climate change and methods of adapting.

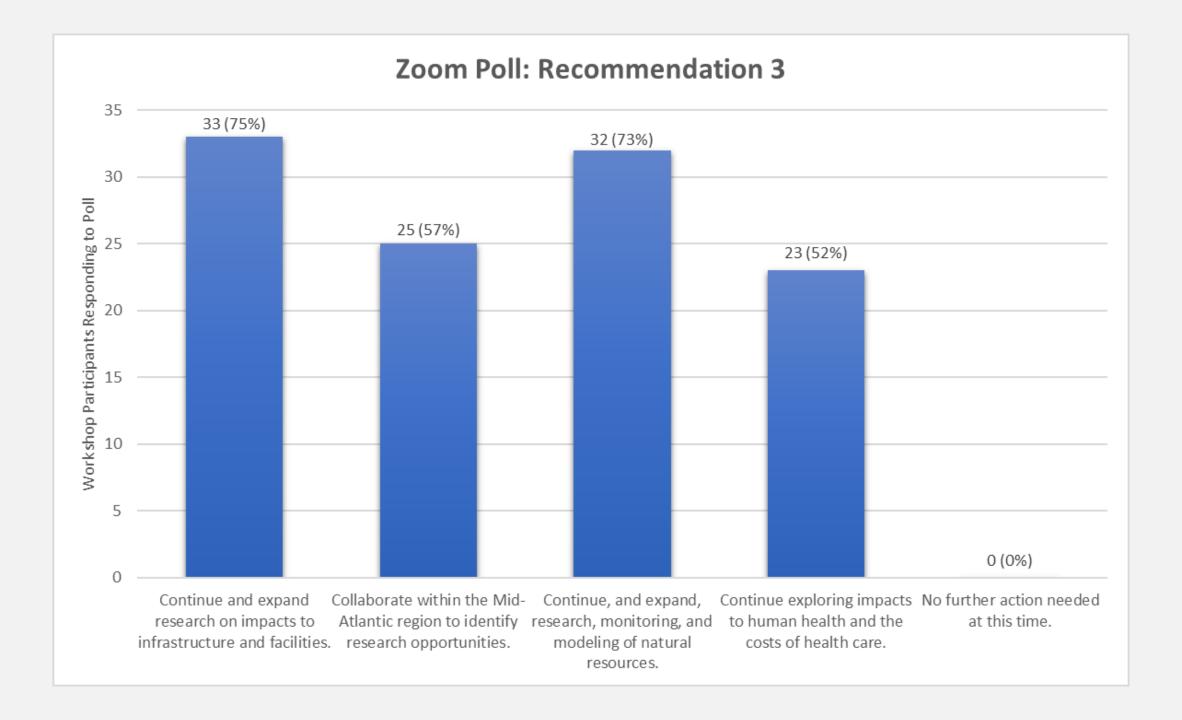
Continue and expand research on impacts to infrastructure and facilities.

Continue, and expand, research, monitoring, and modeling of natural resources.

Collaborate within the Mid-Atlantic region to identify research opportunities.

Continue exploring impacts to human health and the costs of health care.







## **Support of Communities and Stakeholders**

Help in the form of trainings, resources, and technical assistance.

Increase grant opportunities for communities for adaptation projects.

Support programs and initiatives that help frontline communities.

Assist local governments and water suppliers to identify vulnerabilities and adaptation actions.

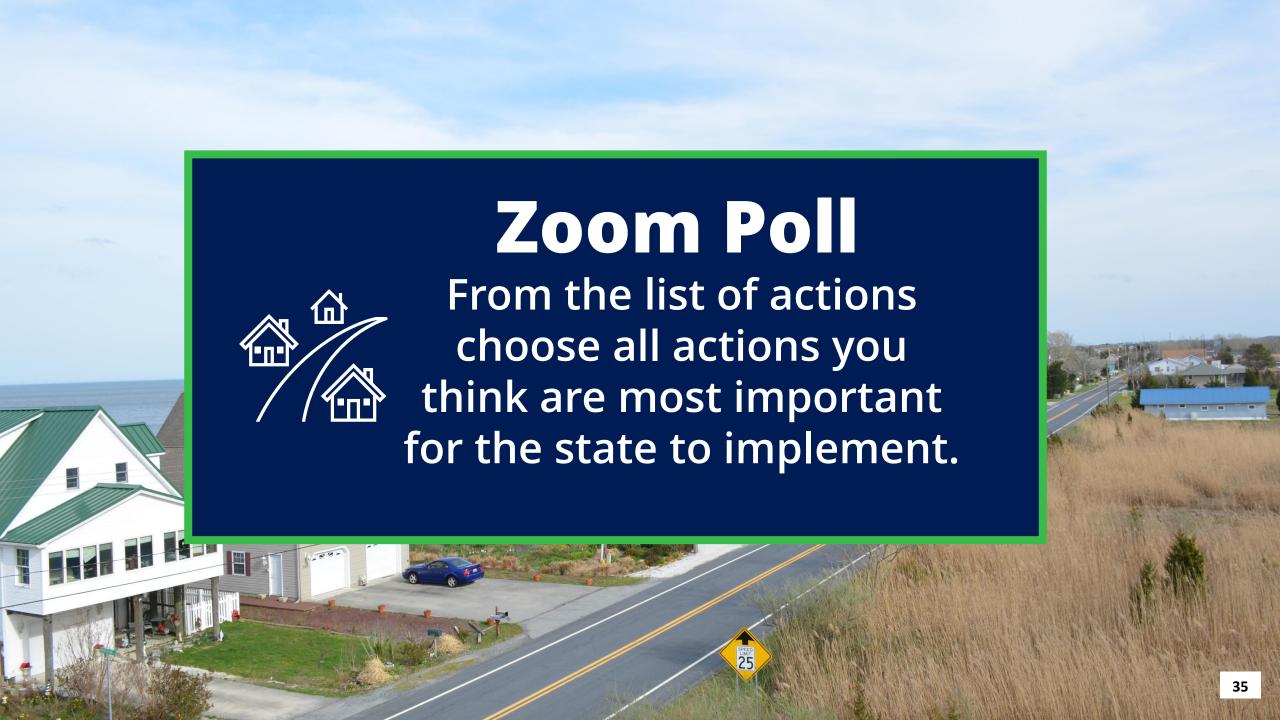
Assist local governments with updating ordinances/planning documents.

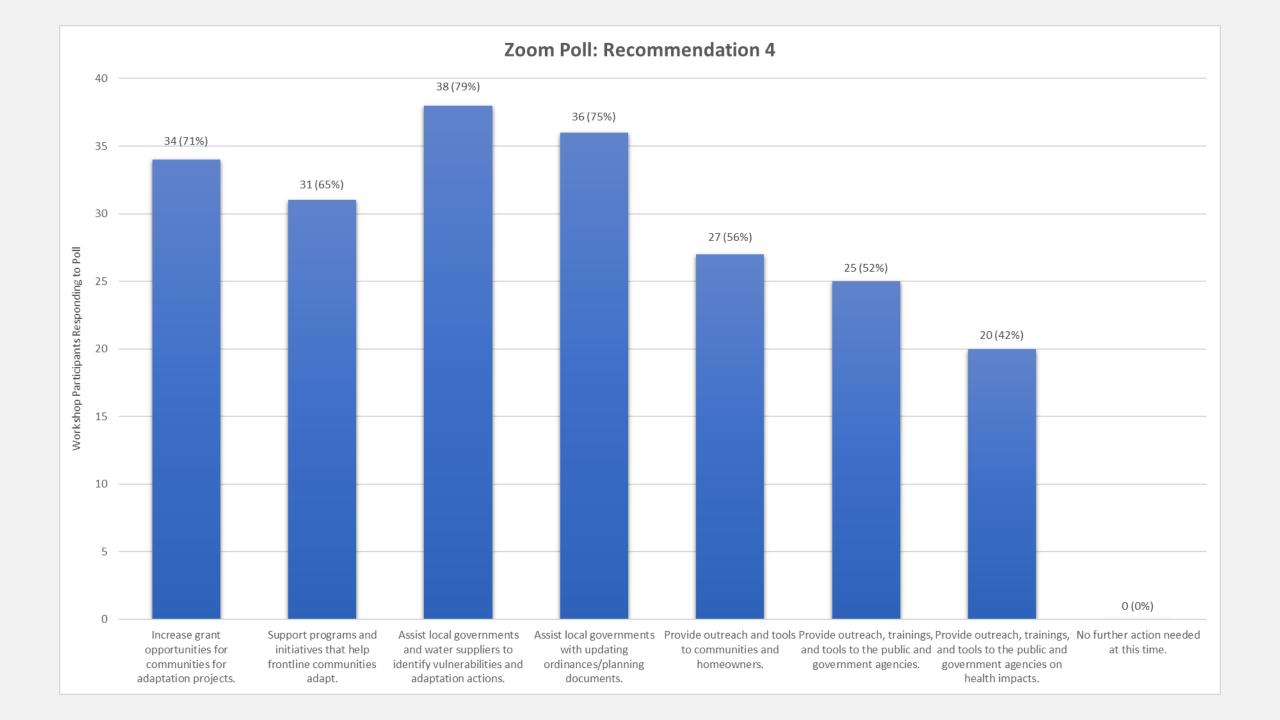
Provide outreach and tools to communities and homeowners.

Provide outreach, trainings, and tools to the public and agencies.

Provide outreach, trainings, and tools to the public and agencies on health impacts.





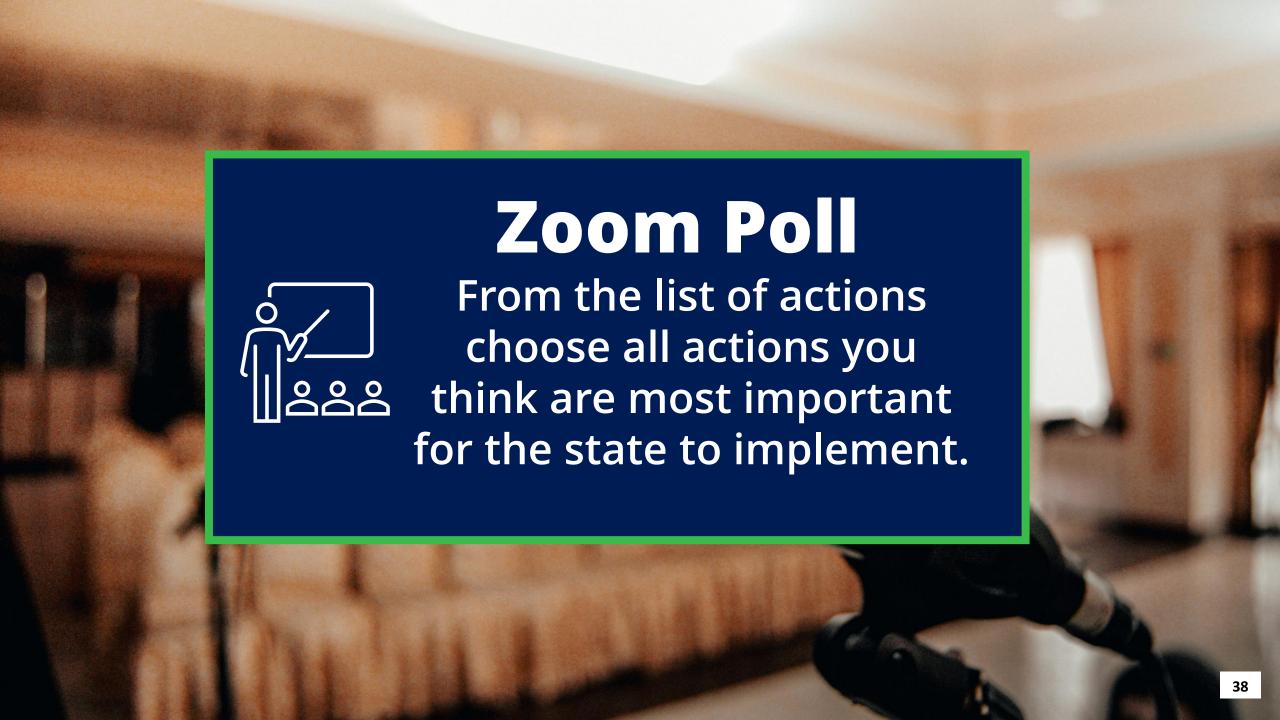


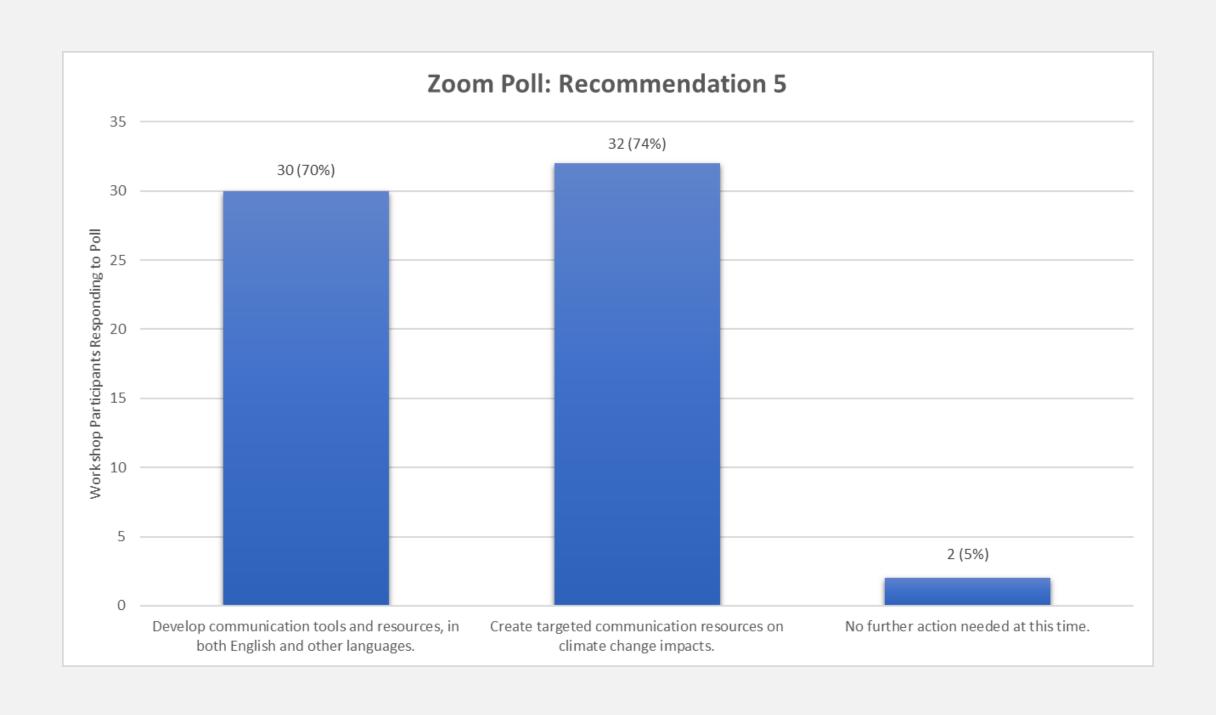


### Outreach

Messaging to stakeholders and the public on climate change impacts and adaptation.







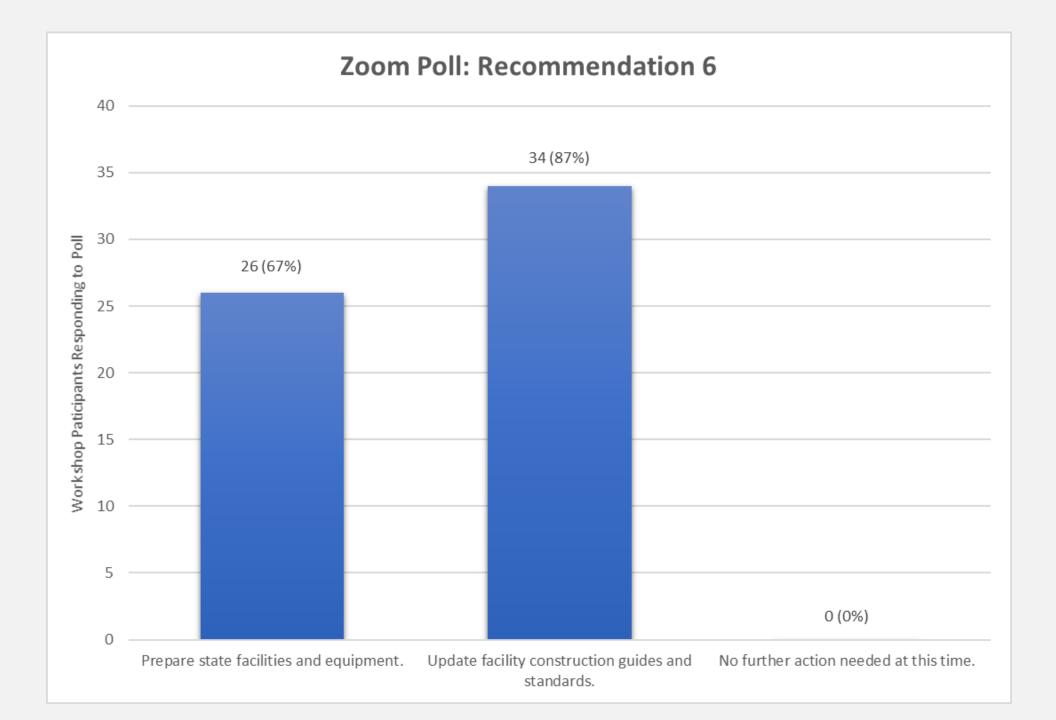


## Facility and Infrastructure Design and Management

Plans and guides that that accounts for future climate conditions and sea level rise.







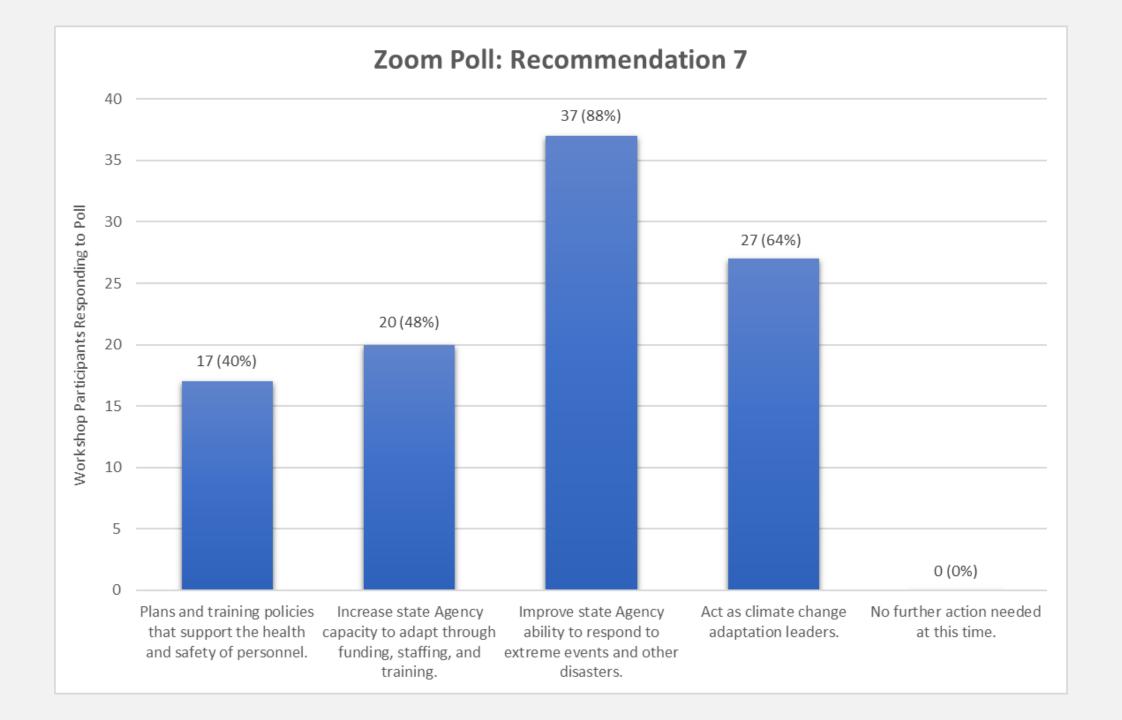


### **Administrative Processes**

Review and edit processes related to operational guidelines and documents on how Agencies do business.







## DELAWARE'S

Climate Action Plan



# DELAWARE'S Climate Action Plan

### Questions

- We will answer as many questions as possible that were submitted via the Q&A box.
- All questions from the Q&A box answered live or not will be collected, answered and uploaded on declimateplan.org.
- The question document will be uploaded by Friday, October 16th.

# Make Your Voice Heard

#### **Provide Additional Feedback**



- Feedback can be submitted via an online feedback form at <u>declimateplan.org</u> until Friday, October 16<sup>th</sup>.
- Comments can be submitted via an online MetroQuest Survey found at <u>declimateplan.org</u> until Friday, October 16<sup>th</sup>.



#### **Help Improve Our Workshops**

 Complete a brief questionnaire emailed to you within 24 hours to help us improve how we collect public input and host public workshops.



www.declimateplan.org | declimateplan@delaware.gov | @EnergyClimateDE